

ABSTRACT

MICROSCOPE SYSTEM AND METHOD

5 A microscope system and method is described for determining a position of an
area of an object within the complete object, wherein the image of the area of the
object is contained within a field of view of a microscope. Image data
representing a low magnification image of the complete object is available for use
in the method, and may be acquired using a low magnification image data source
such as a scanner. The method comprises acquiring high magnification image
10 data representing an image of the field of view of the microscope, typically from a
digital camera attached to the microscope; processing the high magnification
image data to reduce the resolution thereof; comparing the processed high
magnification image data with portions of the low magnification image data, and,
determining said position based on the results of said comparison. In a preferred
15 embodiment, the method is implemented in the form of a computer program
running on a workstation, which displays, on a display screen the field of view
image, and the image of the complete object, in which the position of the area of
the object in field of view is highlighted.